

In the Claims

Please cancel claims 10-12 and 21 without prejudice.

1. (previously amended): An infrared thermometer having an infrared sensor and a probe tip including a radiation inlet opening enabling infrared radiation to travel from a measurement site to the infrared sensor, wherein it includes additionally a probe head (5) mountable on the probe tip (2).

2. (previously amended): An infrared thermometer having an infrared sensor and a radiation inlet opening enabling infrared radiation to travel from a measurement site to the infrared sensor, wherein it includes at least a probe tip (2) or a probe head (5) demountably attachable to the thermometer (1).

3. (previously amended): The infrared thermometer as claimed in claim 1 or 2, wherein at least the probe head (5) or the probe tip (2) is pivotal in at least one spatial plane.

4. (previously amended): The infrared thermometer as claimed in claim 1, wherein the infrared thermometer includes a first switch (3) actuatable when a probe head (5) is installed, and that the calculation of a temperature indication value from the temperature measurement values is influenced by actuation of said first switch (3).

5. (previously amended): The infrared thermometer as claimed in claim 4, wherein the infrared thermometer includes a second switch (4) actuatable when a protective cover (6) is installed over the probe tip (2), and that the calculation of a temperature indication value from the temperature measurement values is influenced by actuation of said second switch (4).

6. (previously amended): The infrared thermometer as claimed in claim 1, wherein the probe head (5) includes an opening for infrared radiation.

7. (previously amended): The infrared thermometer as claimed in claim 6, wherein the geometrical shape of the probe head (5) is selected so that the measurement site is shielded from infrared radiation emanating from the environment.

8. (previously amended): The infrared thermometer as claimed in claim 7, wherein the surface (8) of the probe head (5) located at the end remote from the measurement site during a temperature reading is of a funnel-shaped configuration.

9. (previously amended): The infrared thermometer as claimed in claim 6, wherein the opening of the probe head (5) is closed by a window (9) transparent to infrared radiation.

Claims 10-12 (canceled)

13. (previously added): The infrared thermometer as claimed in claim 2, wherein at least the probe head (5) or the probe tip (2) is pivotal in at least one spatial plane.

14. (previously added): The infrared thermometer as claimed in claim 2, wherein the infrared thermometer includes a first switch (3) actuatable when a probe head (5) is installed, and that the calculation of a temperature indication value from the temperature measurement values is influenced by actuation of said first switch (3).

15. (previously added): The infrared thermometer as claimed in claim 3, wherein the infrared thermometer includes a first switch (3) actuatable when a probe head (5) is installed, and that the calculation of a temperature indication value from the temperature measurement values is influenced by actuation of said first switch (3).

16. (previously added): The infrared thermometer as claimed in claim 2, wherein the infrared thermometer includes a second switch (4) actuatable when a protective cover (6) is installed over a probe tip (2), and that the calculation of a temperature indication value from the temperature measurement values is influenced by actuation of said second switch (4).

17. (previously added): The infrared thermometer as claimed in claim 2, wherein probe head (5) includes and an opening for infrared radiation.

18. (previously added): The infrared thermometer as claimed in claim 17, wherein the geometrical shape of the probe head (5) is selected so that the measurement site is shielded from infrared radiation emanating from the environment.

19. (previously added): The infrared thermometer as claimed in claim 17, wherein the surface (8) of the probe head (5) located at the end remote from the measurement site during a temperature reading is of a funnel-shaped configuration.

20. (previously added): The infrared thermometer as claimed in claim 17, wherein the opening of the probe head (5) is closed by a window (9) transparent to infrared radiation.

21. (canceled).
